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Attorney Docket No. NOG-9002

In re patent application of
NAGATA et al.

#14M

Serial No. 09/380,583

Group Art Unit: 2858

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Title: ORIENTATION MEASURING INSTRUMENT

SUBMISSION OF FORMAL DRAWINGS

BOX ISSUE FEE
Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant files herewith 27 sheets of formal drawings including Figures 1-25. It is requested that the formal drawings be entered in the application file.

Respectfully submitted,

Date: April 2, 2002

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01.02

FIG. 1
PRIOR ART

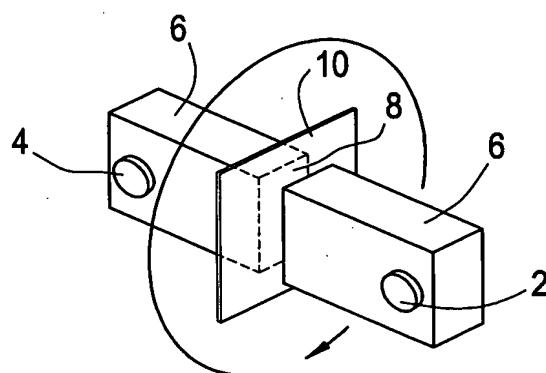


FIG. 2
PRIOR ART

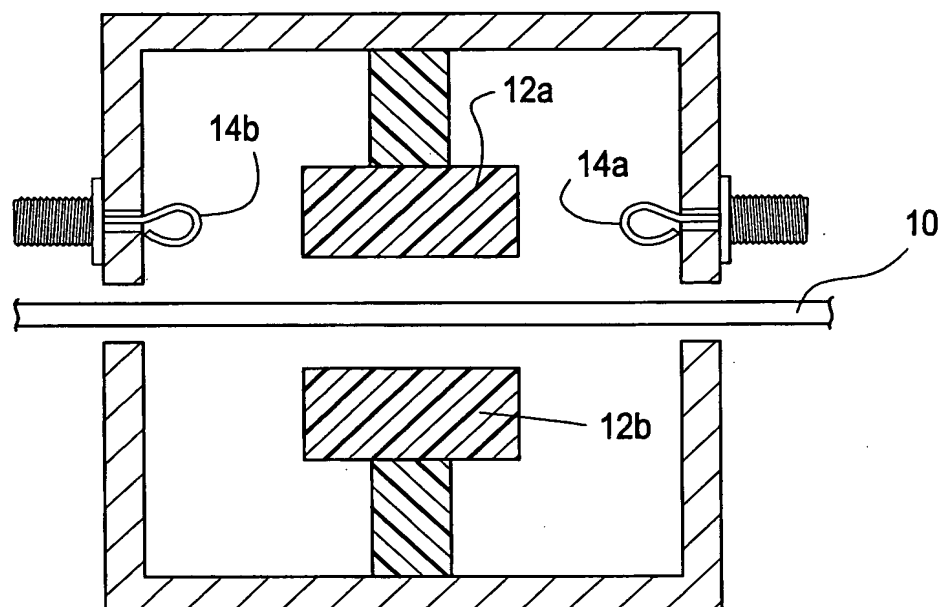


FIG. 3A

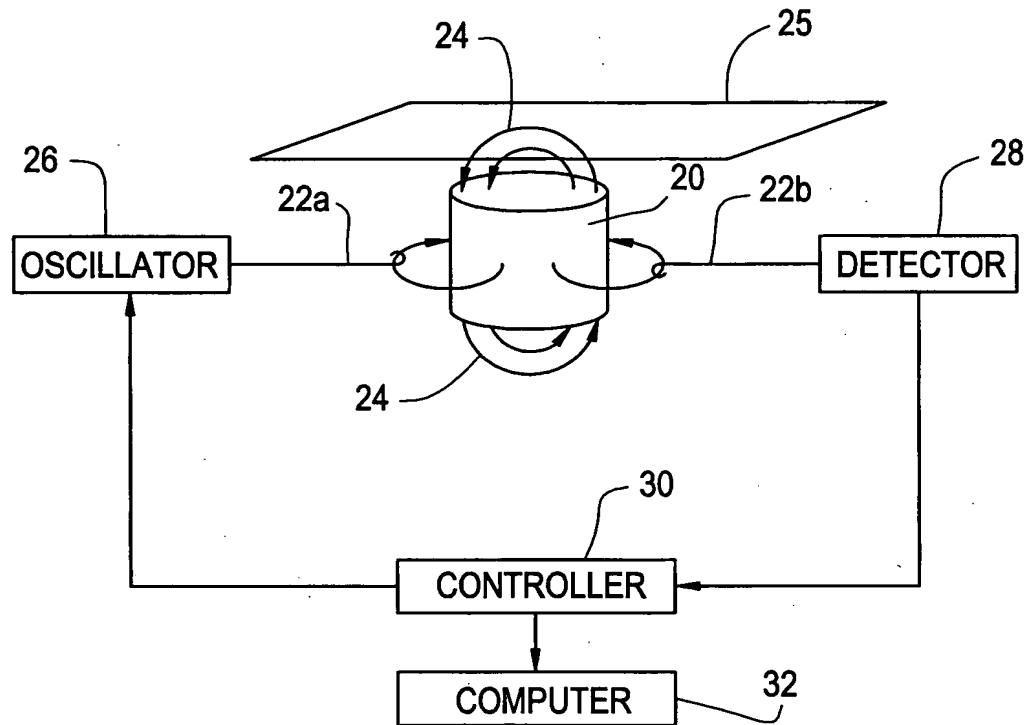


FIG. 3B

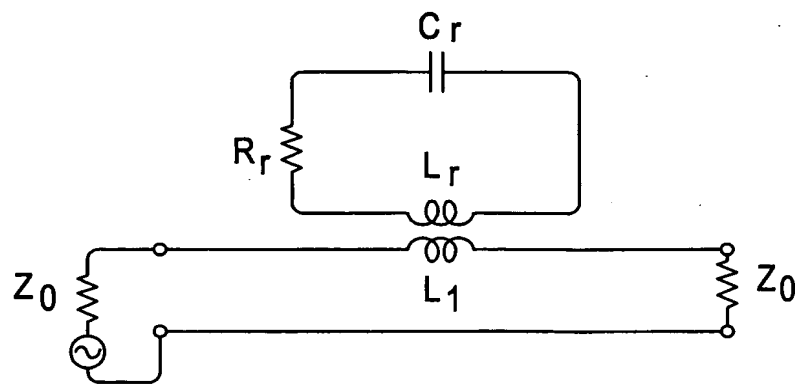


FIG. 4A

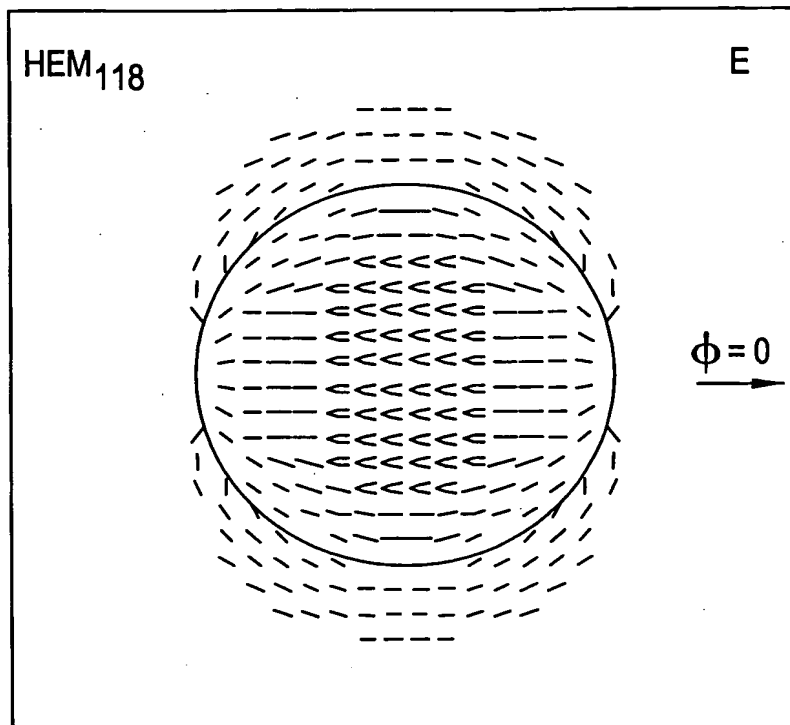


FIG. 4B

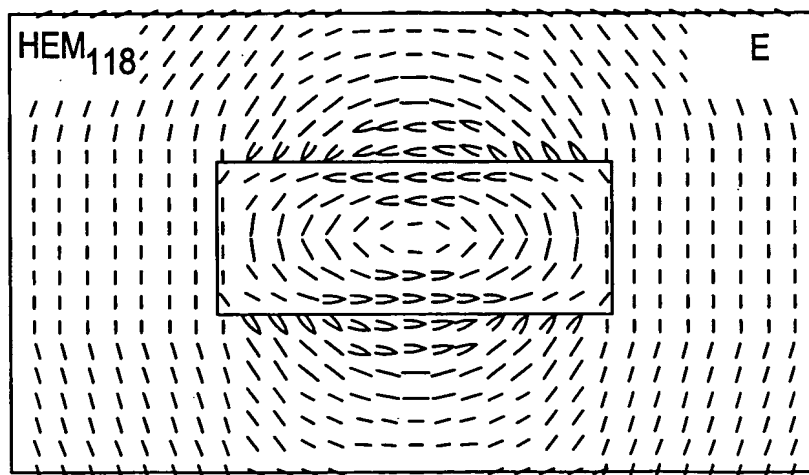


FIG. 5A

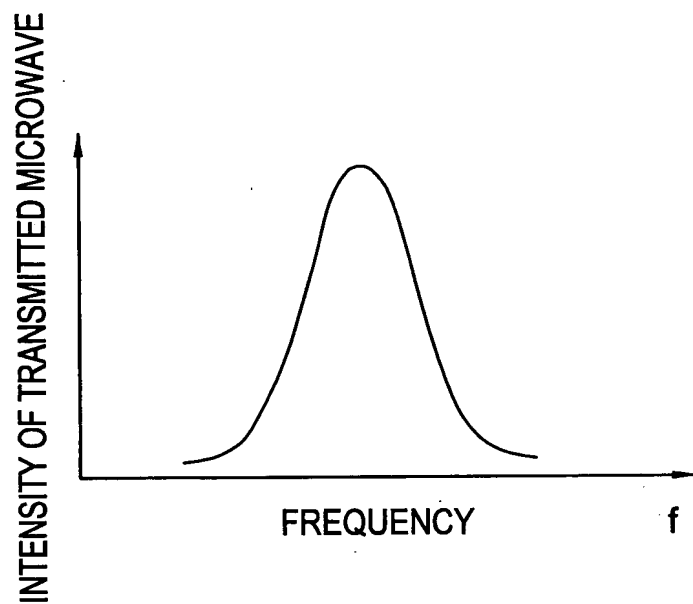
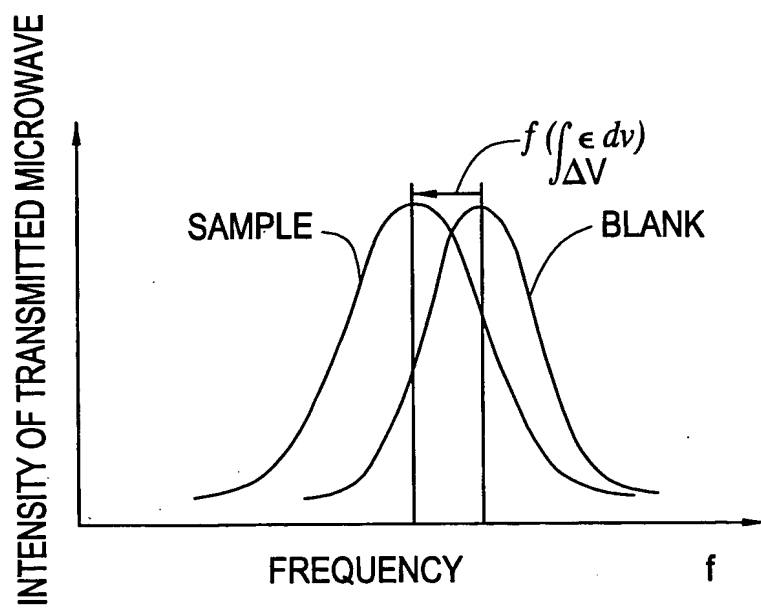


FIG. 5B



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FIG. 6A

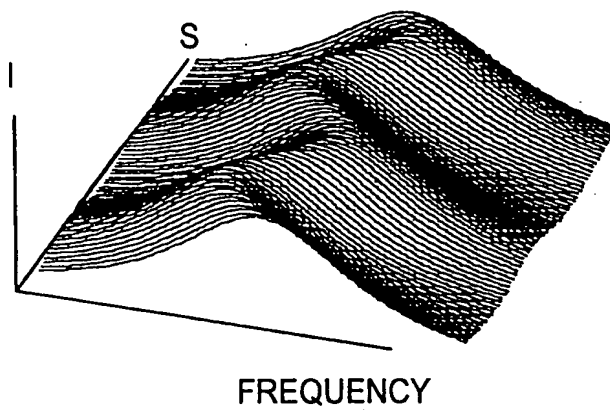


FIG. 6B

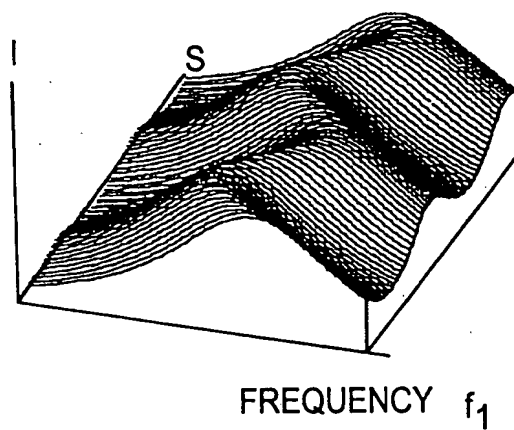


FIG. 7A

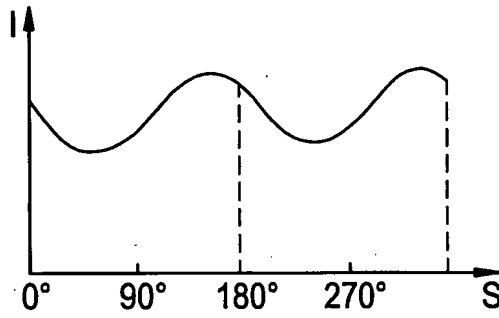


FIG. 7B

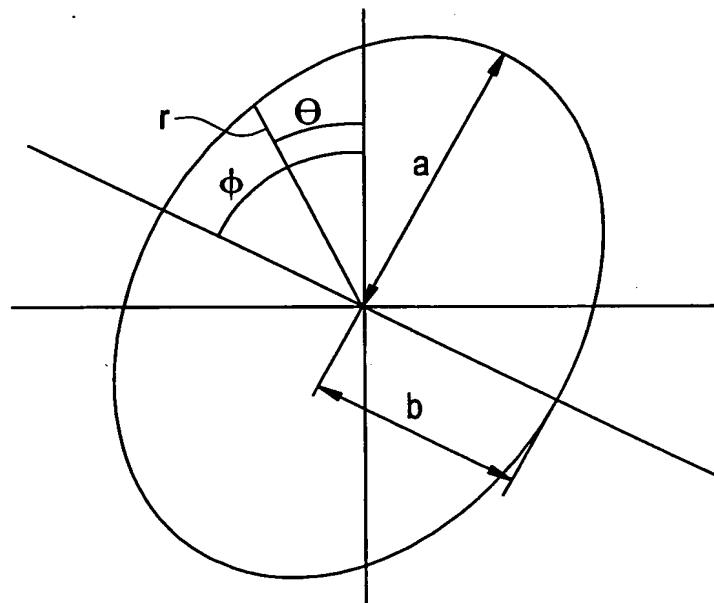
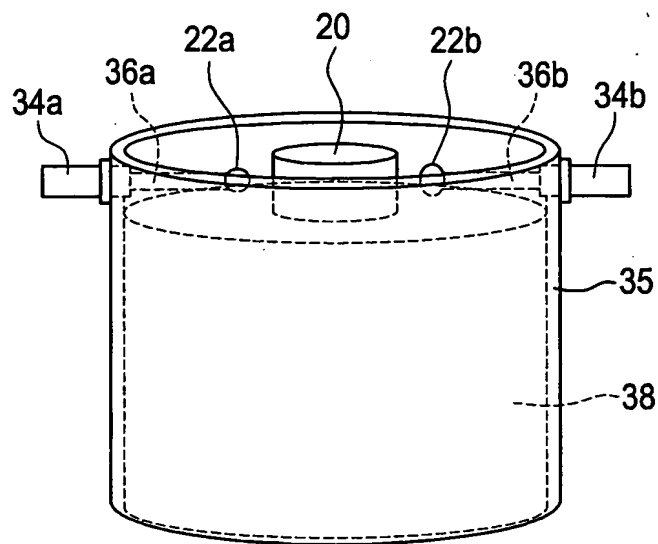
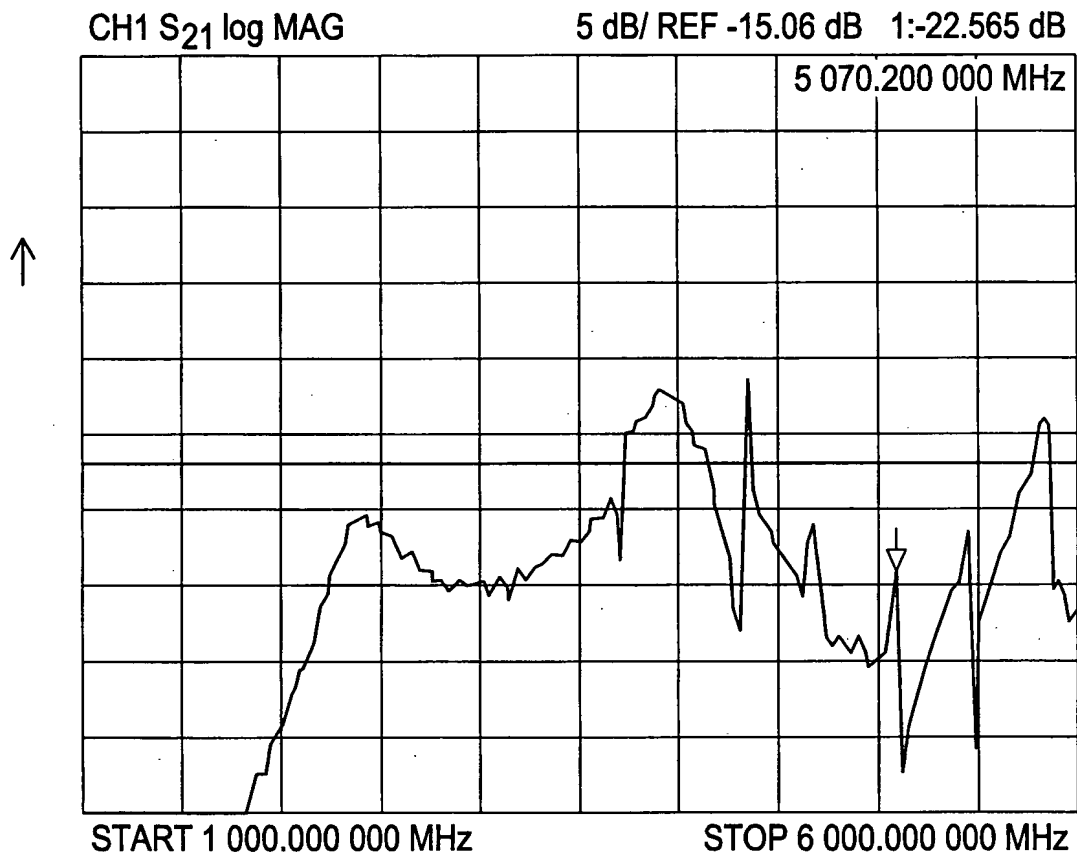


FIG. 8



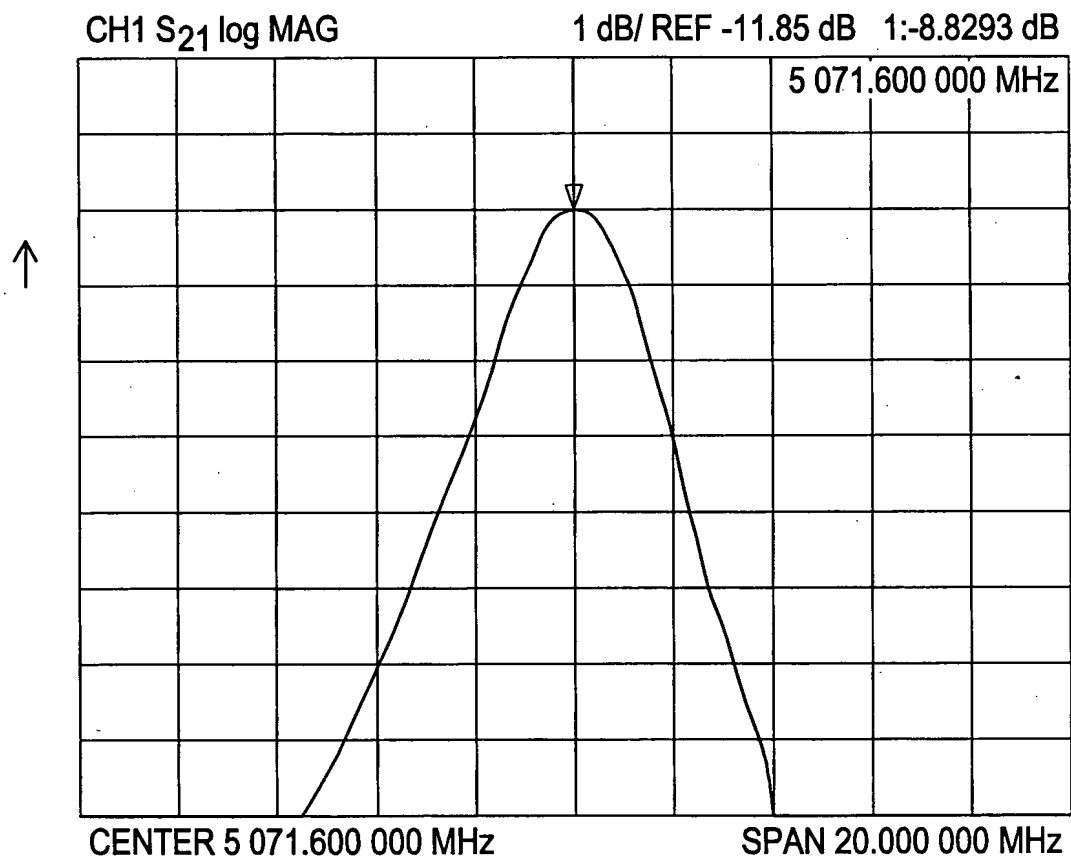
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FIG. 9A



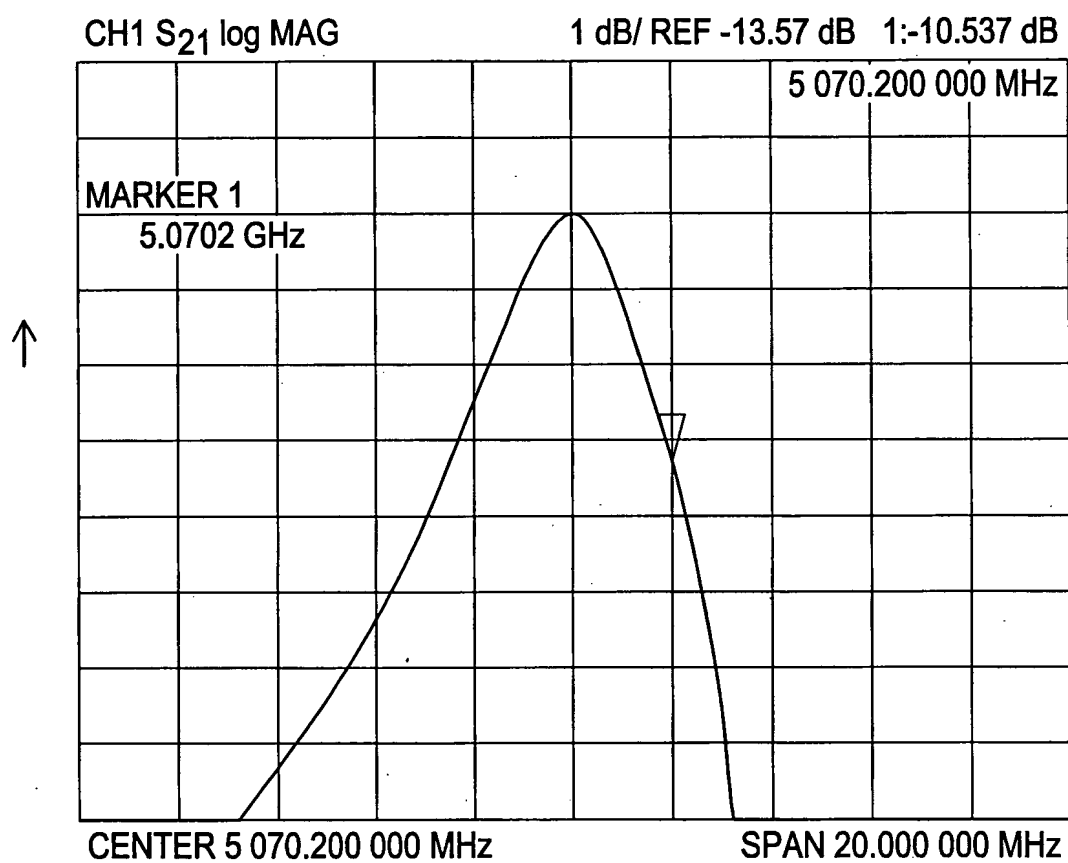
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FIG. 9B



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FIG. 10A



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FIG. 10B

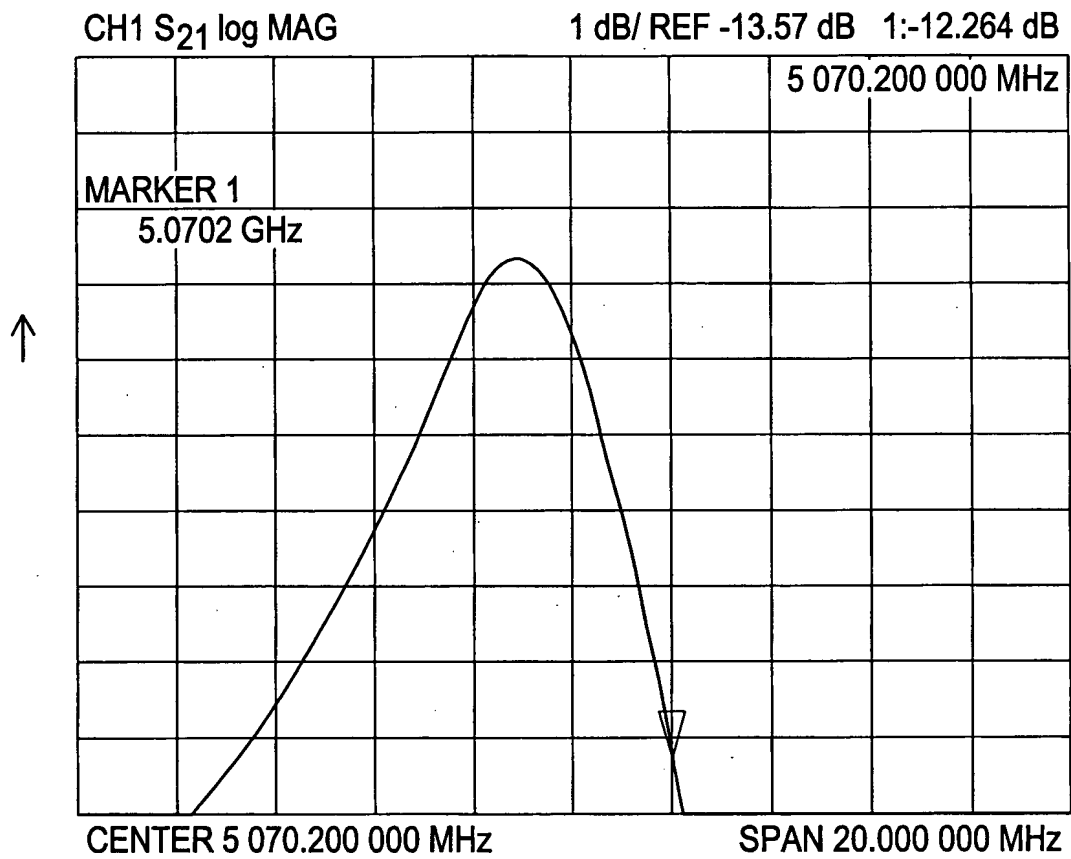


FIG. 11A

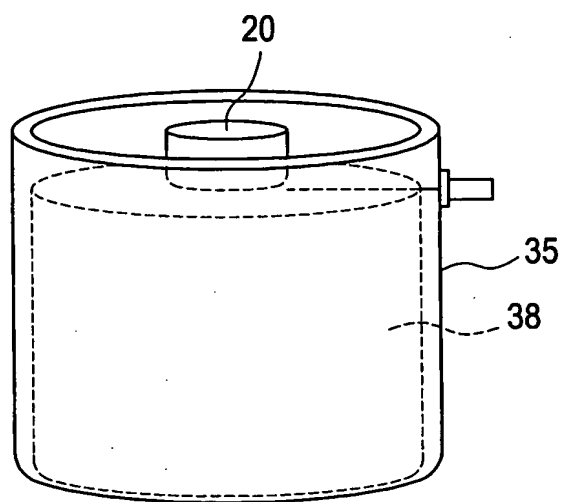


FIG. 11B

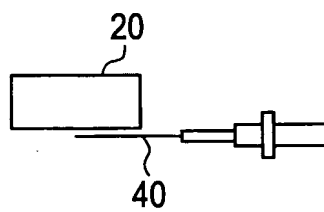


FIG. 12A

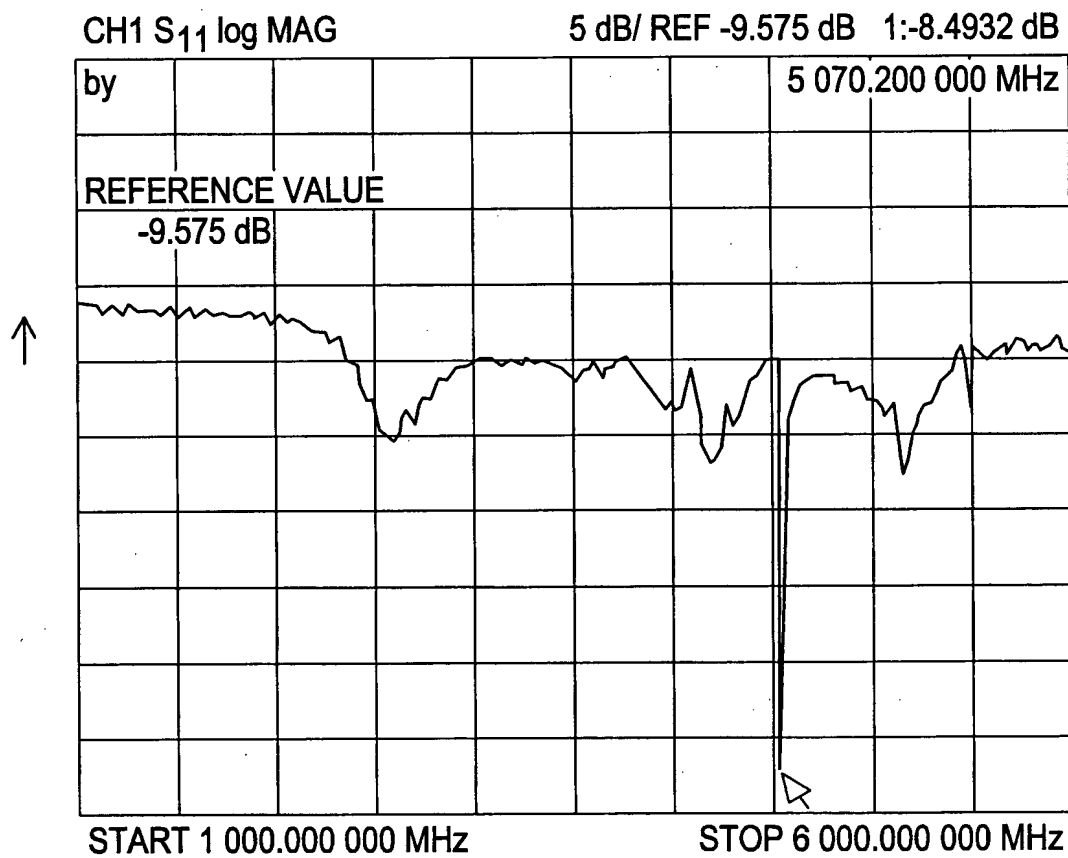


FIG. 12B

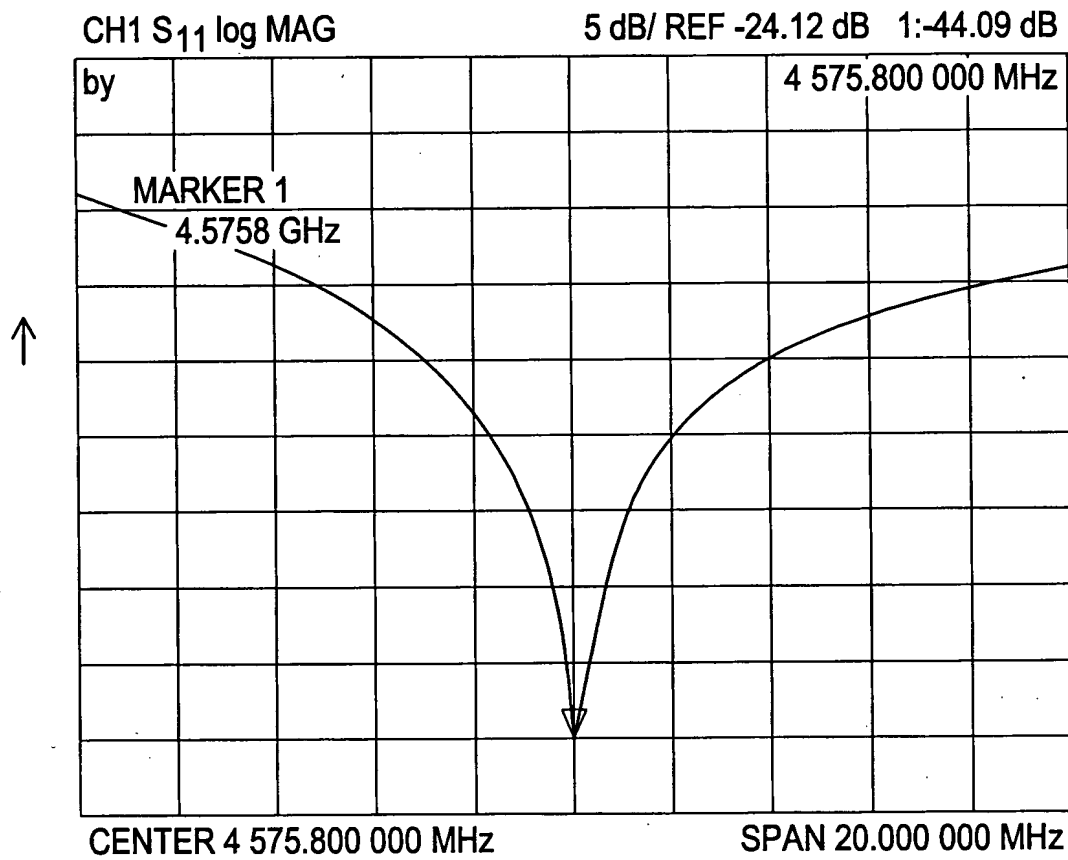


FIG. 13A

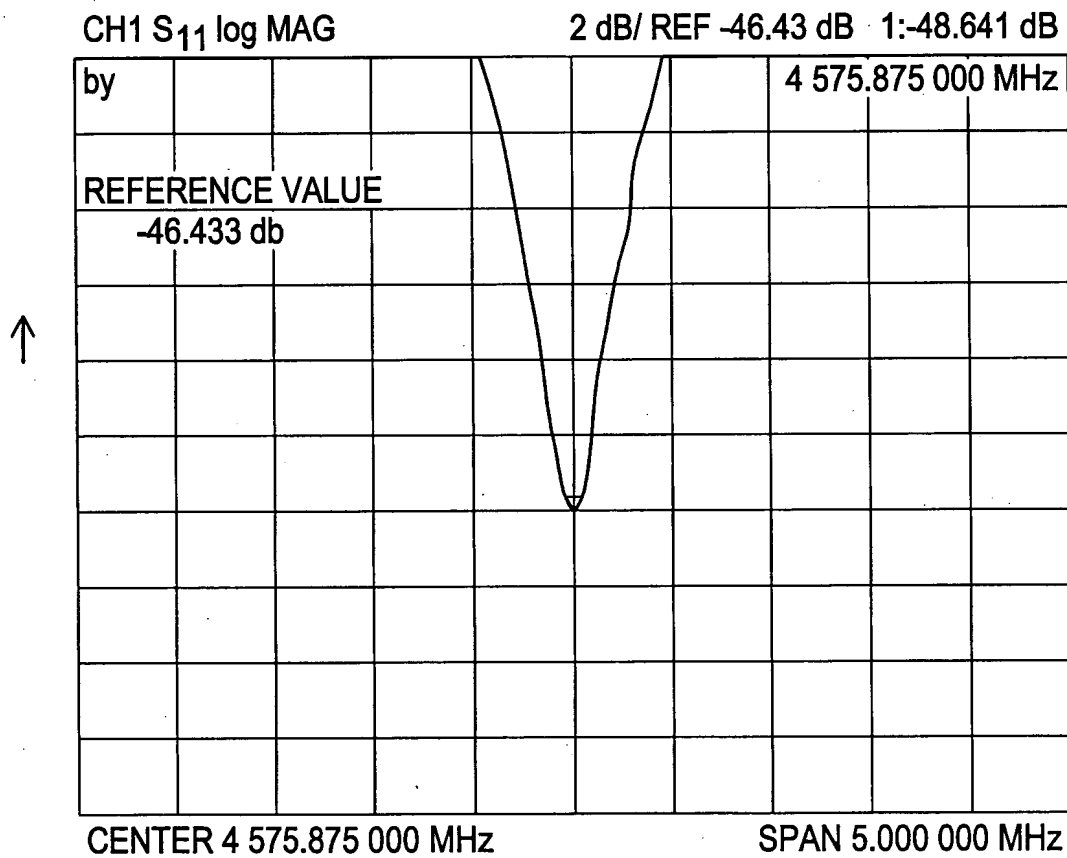


FIG. 13B

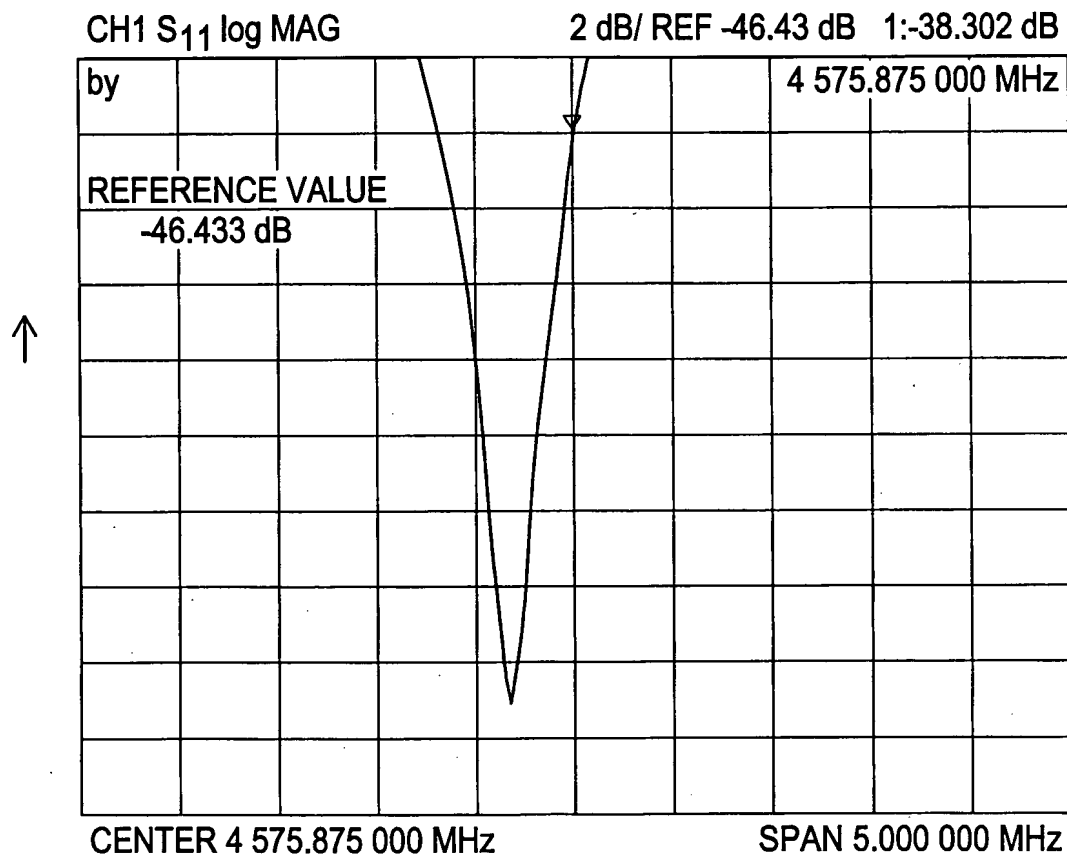


FIG. 14

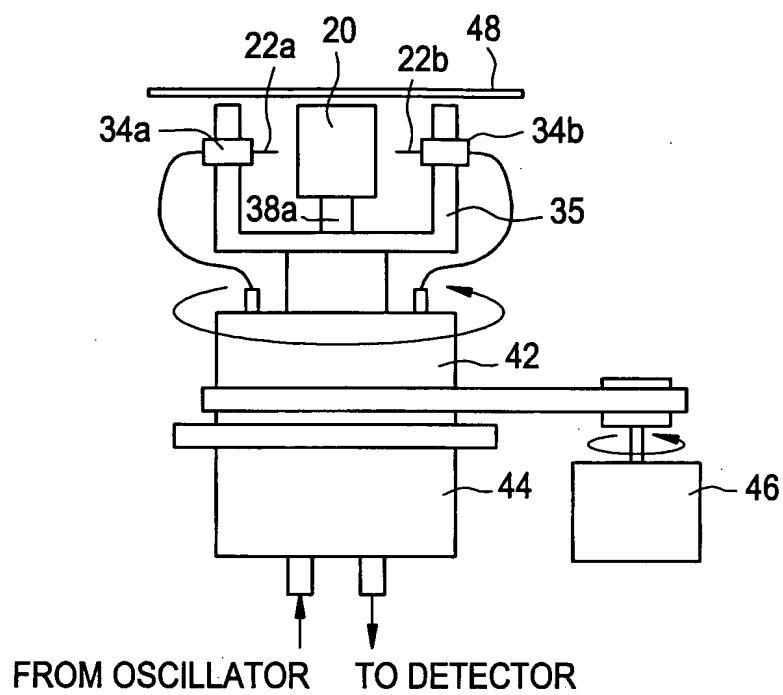


FIG. 15

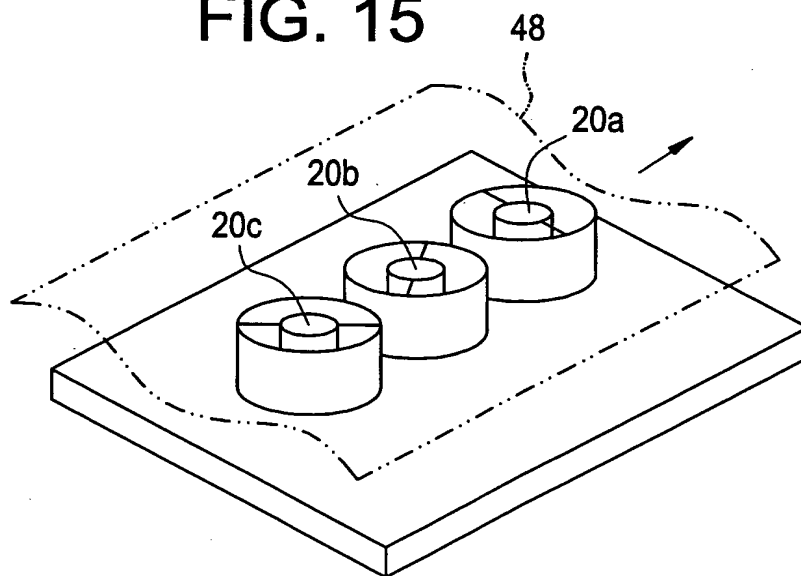
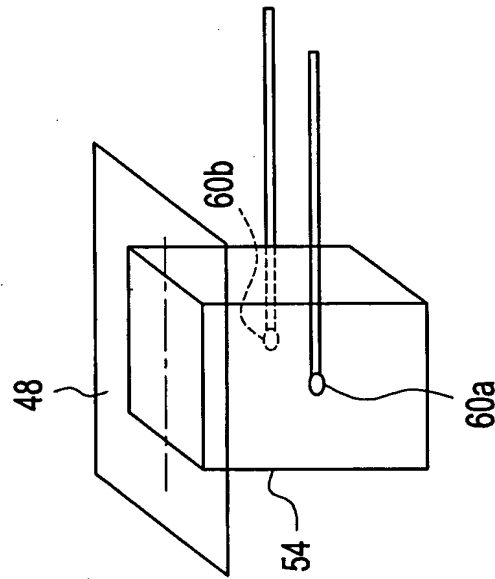
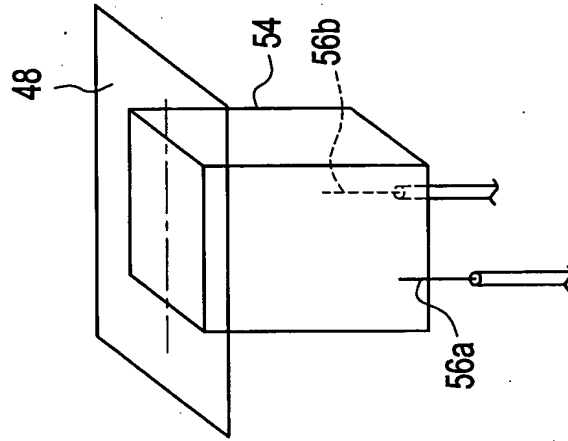


FIG. 17A



EXCITATION BY LOOP ANTENNA

FIG. 17B



EXCITATION BY ROD ANTENNA

FIG. 18A

CAVITY RESONATOR

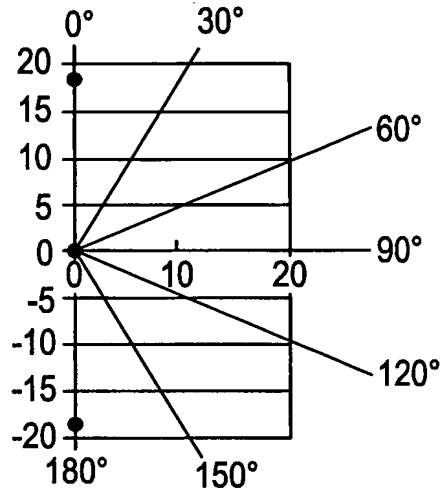
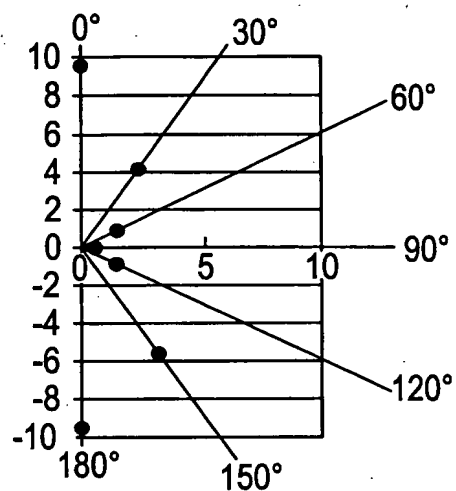
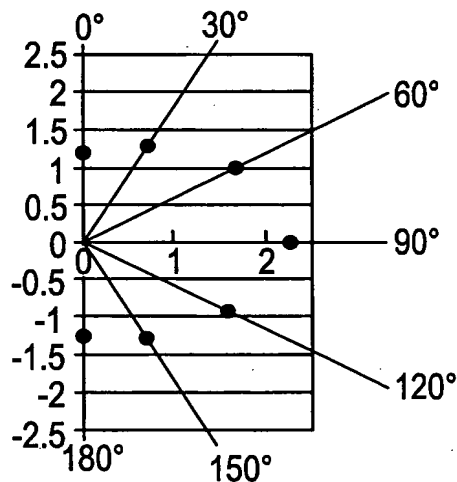
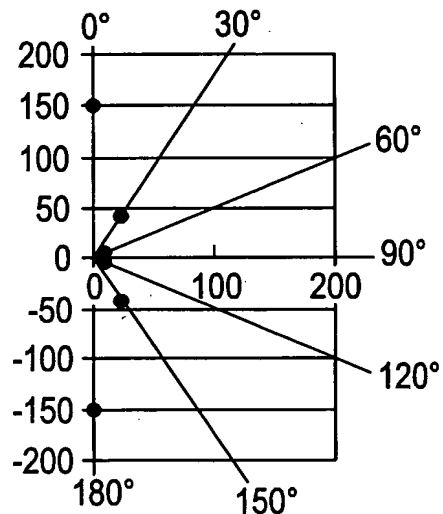
ELECTRIC FIELD DISTRIBUTION
BY ROD ANTENNA**FIG. 18B**CIRCULAR DIELECTRIC
RESONATORELECTRIC FIELD DISTRIBUTION
BY LOOP ANTENNA**FIG. 18C**SQUARE DIELECTRIC
RESONATORELECTRIC FIELD DISTRIBUTION
BY LOOP ANTENNA**FIG. 18D**SQUARE DIELECTRIC
RESONATORELECTRIC FIELD DISTRIBUTION
BY ROD ANTENNA

FIG. 19A

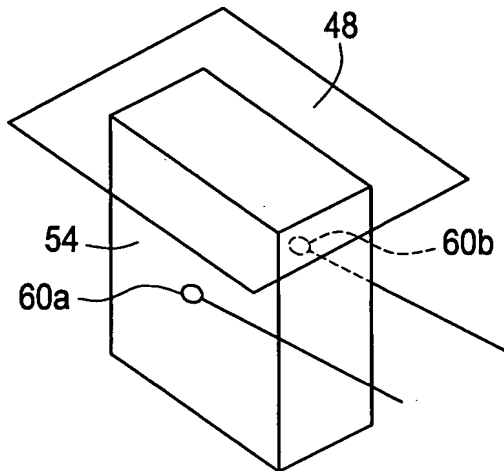


FIG. 19B

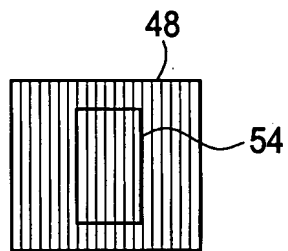


FIG. 19C

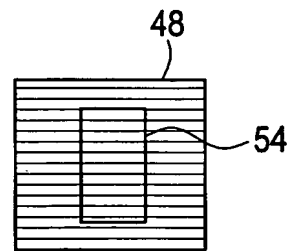
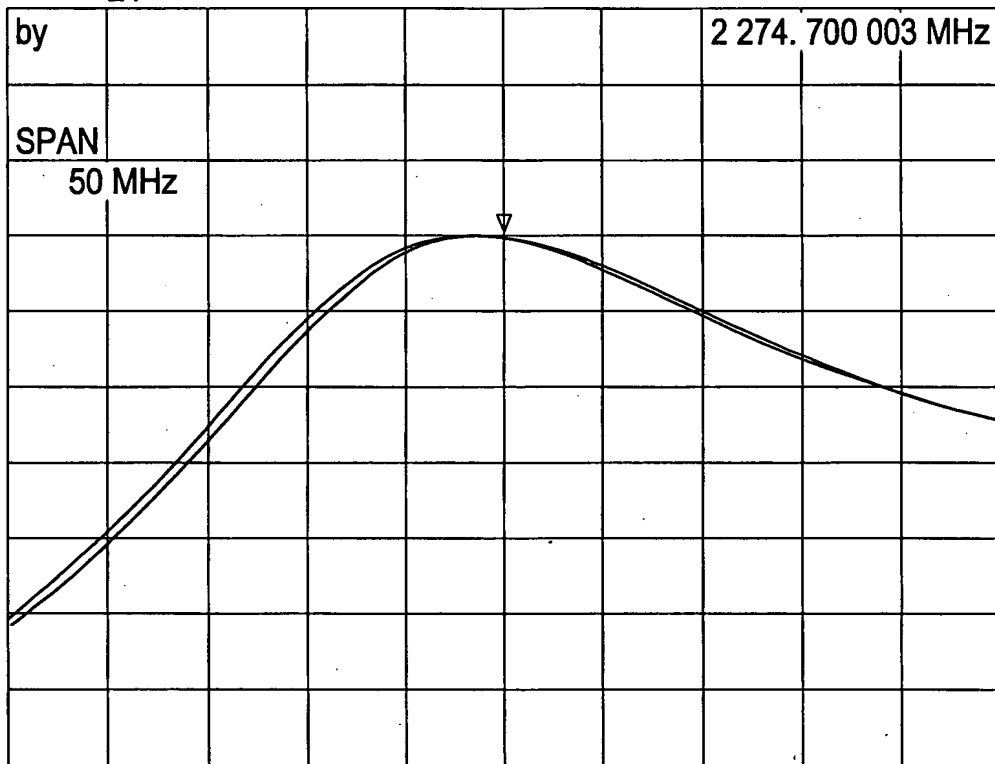


FIG. 19D

4 Jul 1997 10:45:10

CH1 S₂₁&M log MAG

2 dB/ REF -29.92 dB 1:-25.974 dB



CENTER 2 274.700 003 MHz

SPAN 50.000 000 MHz

FREQUENCY SHIFT → 0.6MHz

FIG. 20A

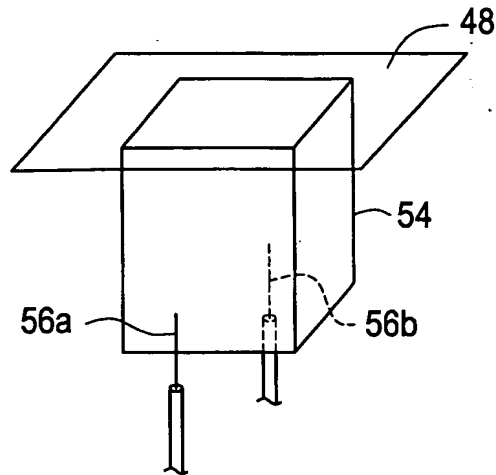
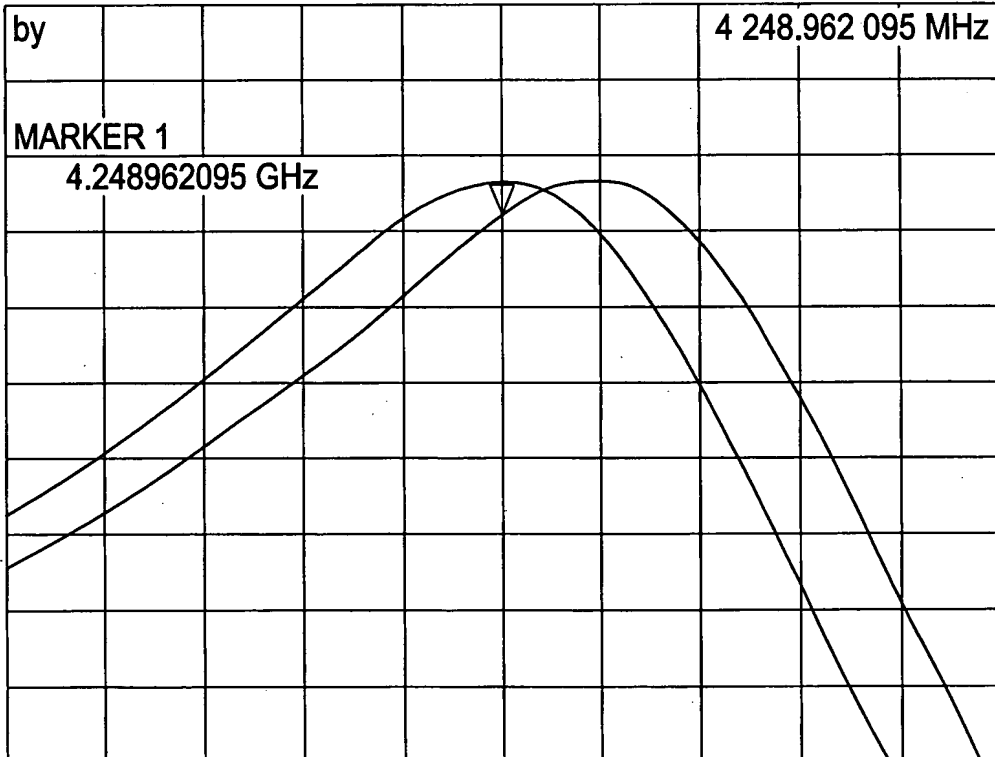


FIG. 20B

15 Aug 1997 10:50:21

CH1 S₂₁&M log MAG

1 dB/ REF -7.906 dB 1:-5.5151 dB



FREQUENCY SHIFT → 1.7MHz

FIG. 21A

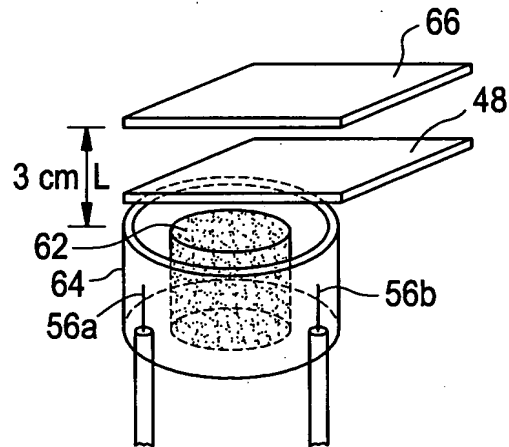


FIG. 21B

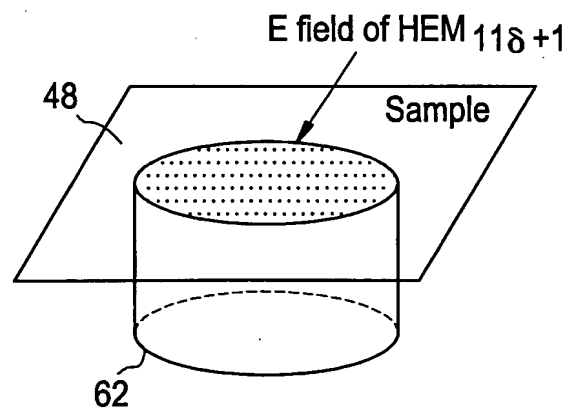


FIG. 22

CH1 S12 log MAG 10 dB/ REF 0 dB

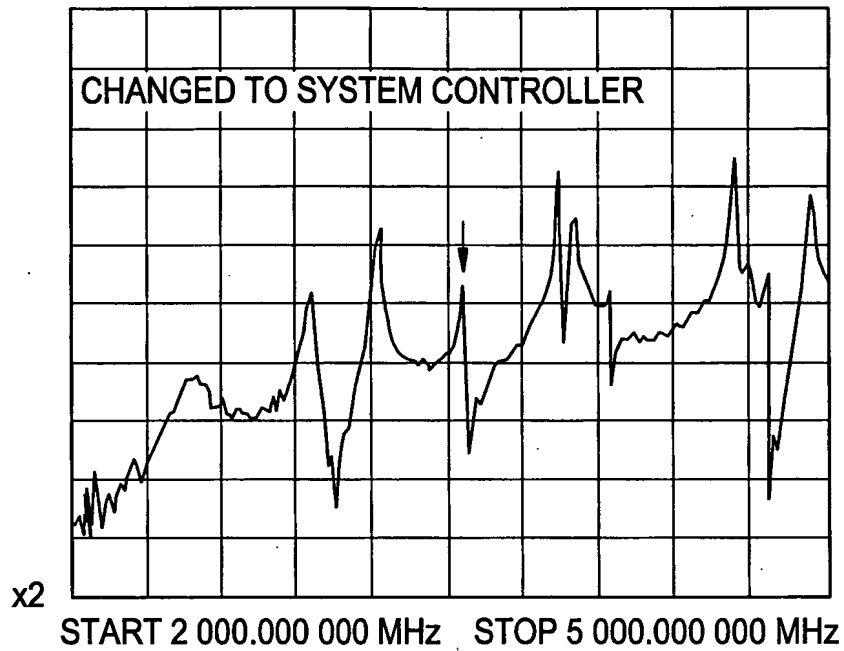


FIG. 23

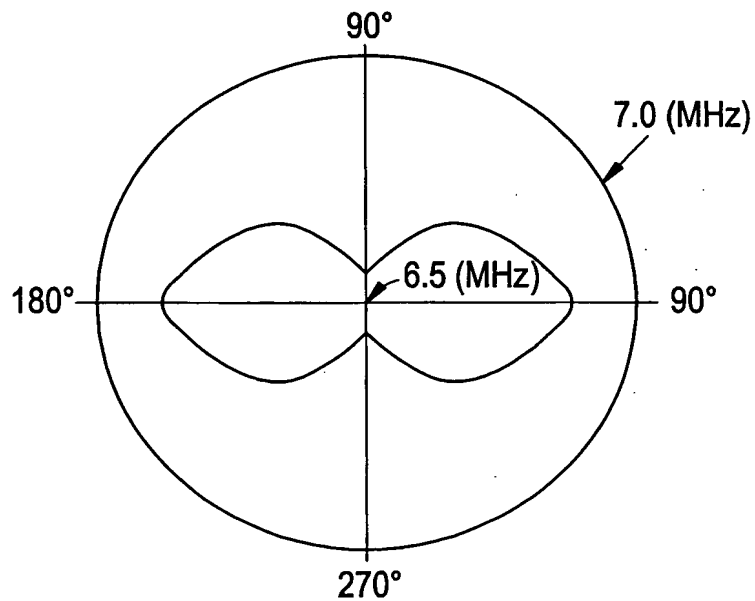


Fig. 24

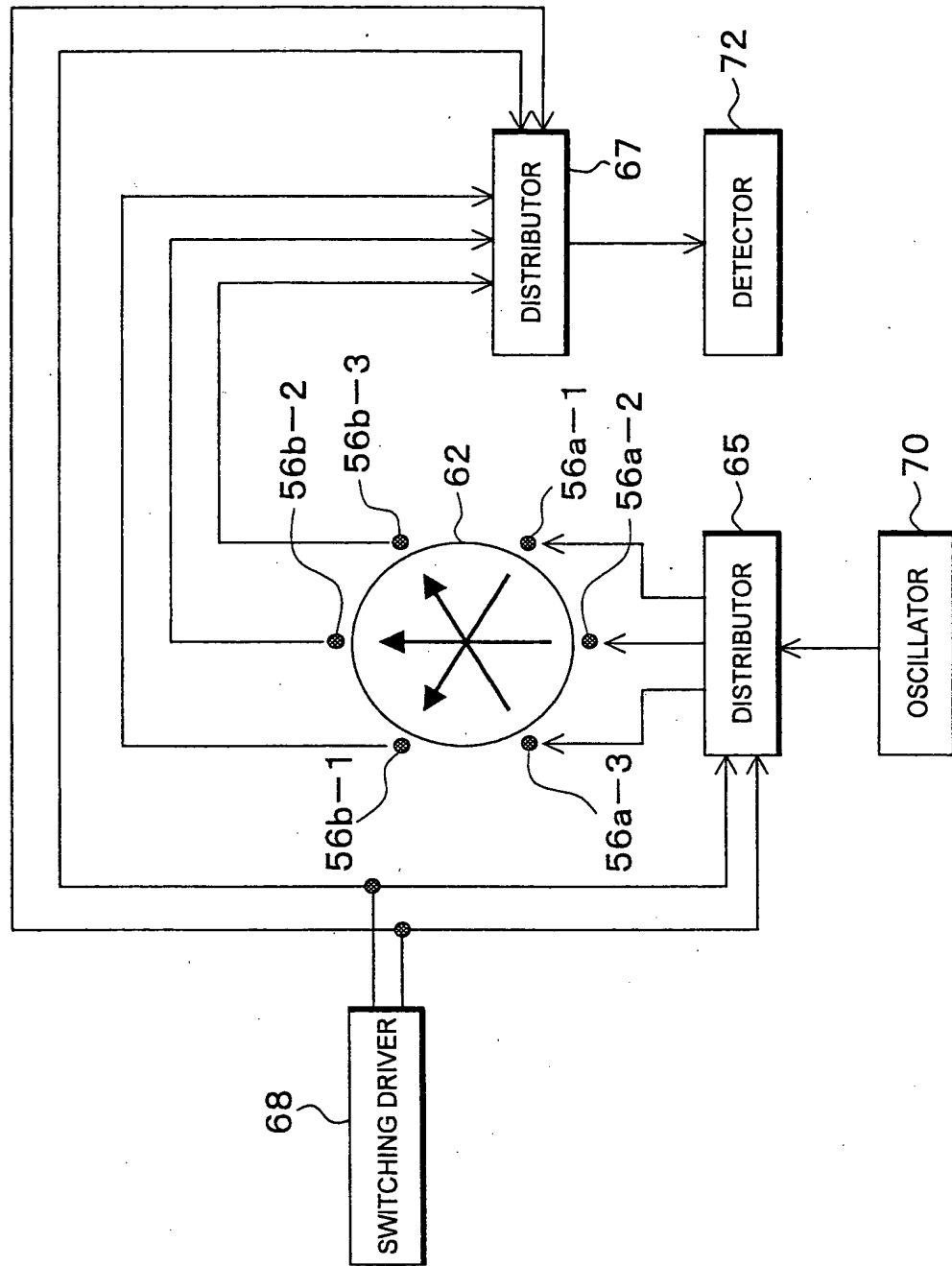


Fig. 25

